

# SAFETY DATA SHEET



## Colanyl Black N 530

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Substance key: 000000769422

Revision Date: 04/24/2023

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### SECTION 1. IDENTIFICATION

**Identification of the company:**

Heubach Colorants USA LLC  
5500 77 Center Drive, Suite 120/140  
Charlotte, NC, 28217  
Telephone No.: +1 510 446 87 62

**Information of the substance/preparation:**

Product Stewardship, +1-704-331-7039  
e-mail: SDS.PI.NORAM@heubach.com

**Emergency tel. number:** +1 800-424-9300 CHEMTREC

**Trade name:**

**Colanyl Black N 530**

**Material number:**

311383

**Primary product use:**

Colourant preparation

**Chemical family:**

C.I. Pigment Black 7 in aqueous dispersion containing polyglycol.

### SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
C.I. Pigment Black 7	1333-86-4	>= 30 - < 50

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice : Get medical advice/ attention if you feel unwell.

If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.

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- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- If swallowed : If conscious, give the victim plenty of water to drink.  
Consult a physician.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)
- Further information : Wear suitable protective equipment.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbents. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils. place in appropriate containers.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

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Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Treat recovered material as described in the section "Disposal considerations".

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Wash thoroughly after handling.

Further information on storage conditions : Store in original container.  
Keep container tightly closed.  
Store in a cool, dry, well-ventilated area.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
C.I. Pigment Black 7	1333-86-4	TWA (Inhalable particulate matter)	3 mg/m <sup>3</sup>	ACGIH
		TWA	3.5 mg/m <sup>3</sup>	NIOSH REL
		TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	3.5 mg/m <sup>3</sup>	OSHA P0
		TWA	0.1 mg/m <sup>3</sup> (PAHs)	NIOSH REL

**Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

#### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide

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adequate protection.

Hand protection

Remarks

: Butyl Rubber, PVC Or Neoprene.

Eye protection

: Safety glasses with side-shields

Skin and body protection

: Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

Protective measures

: Wear suitable protective equipment.

Hygiene measures

: Wash hands before breaks and at the end of workday.  
Use protective skin cream before handling the product.  
Take off immediately all contaminated clothing and wash it before reuse.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: Liquid

Colour

: black

Odour

: not significant

Odour Threshold

: not determined

pH

: 6.8 (68 °F / 20 °C)  
Concentration: 100 %  
Determined in the undiluted form

Melting point

: no data available

Boiling point

: approx. 212 °F / 100 °C  
(1,013 hPa)

Flash point

: not determined

Evaporation rate

: not determined

Flammability (solid, gas)

: Not applicable

Burning number

: Not applicable

Upper explosion limit / upper flammability limit

: not determined

Lower explosion limit / Lower flammability limit

: not determined

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Vapour pressure	: not determined
Relative vapour density	: not determined
Relative density	: no data available
Density	: 1.29 g/cm <sup>3</sup> (68 °F / 20 °C)
Bulk density	: no data available
Solubility(ies)	
Water solubility	: miscible
Solubility in other solvents	: not determined
Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: not determined
Decomposition temperature	: > 212 °F / > 100 °C with dehydration
Viscosity	
Viscosity, dynamic	: 780 mPa.s (73 °F / 23 °C)
Viscosity, kinematic	: not determined
Explosive properties	: no data available
Oxidizing properties	: no data available
Surface tension	: no data available
Molecular weight	: no data available
Metal corrosion rate	: no data available
Minimum ignition energy	: not determined
Particle size	: Not applicable

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	: None known.

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Incompatible materials : no data available

Hazardous decomposition products : No decomposition if stored and applied as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Skin contact

Eye contact

#### Acute toxicity

##### Product:

Acute oral toxicity : Remarks: no data available

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

##### Components:

#### C.I. Pigment Black 7:

Acute oral toxicity : LD50 (Rat, male and female): > 10,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: no  
Remarks: No significant adverse effects were reported

Acute inhalation toxicity : LC0 (Rat): > 0.0046 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: No information available.  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Remarks: not required

#### Skin corrosion/irritation

##### Product:

Remarks : no data available

##### Components:

#### C.I. Pigment Black 7:

Species : Rabbit  
Exposure time : 4 - 24 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : no

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### Serious eye damage/eye irritation

#### Product:

Remarks : no data available

#### Components:

##### **C.I. Pigment Black 7:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
GLP : no

### Respiratory or skin sensitisation

#### Product:

Remarks : no data available

#### Components:

##### **C.I. Pigment Black 7:**

Test Type : Buehler Test  
Exposure routes : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.  
GLP : yes

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity -  
Assessment : No information available.

#### Components:

##### **C.I. Pigment Black 7:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: In vitro gene mutation study in mammalian cells  
Test system: Rodent cell line  
Metabolic activation: without  
Method: OECD Test Guideline 476  
Result: positive  
GLP: No information available.

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Test Type: Micronucleus test  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 487  
Result: negative  
GLP: yes

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### Carcinogenicity

#### Product:

Carcinogenicity - Assessment : No information available.

#### Components:

#### **C.I. Pigment Black 7:**

Remarks : Carbon Black should not be classified for carcinogenicity according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals. Human health studies show that exposure to carbon black does not increase the risk of carcinogenicity. Studies in laboratory animals show that lung tumors are induced in rats as a result of repeated exposure to inert, poorly soluble particles like carbon black and other poorly soluble particles. Rat tumors are a result of a secondary non-genotoxic mechanism associated with the phenomenon of lung overload. This is a species-specific mechanism that has questionable relevance for classification in humans. Thus a carcinogenicity classification for Carbon Black is not warranted.

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

#### **IARC**

Group 2B: Possibly carcinogenic to humans

C.I. Pigment Black 7 1333-86-4

#### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### **NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

#### Product:

Reproductive toxicity - Assessment : No information available.



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### Components:

#### **C.I. Pigment Black 7:**

Effects on foetal development : Test Type: Pre-natal  
Species: Rabbit, male and female  
Strain: New Zealand white  
Application Route: Inhalation  
Dose: 10% diesel exhaust emission  
Duration of Single Treatment: 12 d  
Method: OECD Test Guideline 414  
Result: No effects on fertility and early embryonic development were detected.  
GLP: no  
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

#### **STOT - single exposure**

##### Product:

Remarks : no data available

### Components:

#### **C.I. Pigment Black 7:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

#### **STOT - repeated exposure**

##### Product:

Remarks : no data available

### Components:

#### **C.I. Pigment Black 7:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

#### **Repeated dose toxicity**

##### Product:

Remarks : This information is not available.

### Components:

#### **C.I. Pigment Black 7:**

Species : Rat, female  
NOAEL : 52 mg/kg bw/day  
Application Route : oral (feed)  
Exposure time : 1 a - 2 a

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Number of exposures : daily  
Dose : 2,05 g/kg of chow diet  
Control Group : yes  
Method : Other  
GLP : No information available.  
Remarks : No adverse effect has been observed in chronic toxicity tests.

Species : Rat, male  
NOAEL : 0.0011 mg/l  
LOAEL : 0.0071 mg/l  
Application Route : Inhalation  
Test atmosphere : dust/mist  
Exposure time : 13 w  
Number of exposures : 6 h per day; 5 d per week  
Dose : 1,1 - 7,1 - 52,8 mg/m3  
Control Group : yes  
Method : Other  
GLP : No information available.

Species : Mouse, male and female  
Application Route : Skin contact  
Exposure time : 12-18 m  
Number of exposures : 3 times per week  
Dose : 20% carbon black suspensions  
Control Group : yes  
Method : Other  
GLP : no  
Remarks : No adverse effect has been observed in chronic toxicity tests.

### Aspiration toxicity

#### Product:

no data available

#### Components:

#### **C.I. Pigment Black 7:**

No aspiration toxicity classification

### Experience with human exposure

#### Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : Remarks: no data available

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Toxicity to daphnia and other aquatic invertebrates	:	Remarks: no data available
Toxicity to algae/aquatic plants	:	Remarks: no data available
Toxicity to fish (Chronic toxicity)	:	Remarks: no data available
Toxicity to microorganisms	:	Remarks: no data available

### C.I. Pigment Black 7:

Toxicity to fish	: LC0 (Danio rerio (zebra fish)): 1,000 mg/l End point: mortality Exposure time: 96 h Test Type: semi-static test Analytical monitoring: no Method: OECD Test Guideline 203 GLP: yes Remarks: The details of the toxic effect relate to the nominal concentration.
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 5,600 mg/l End point: Immobilization Exposure time: 24 h Test Type: static test Analytical monitoring: no Method: OECD Test Guideline 202 GLP: yes Remarks: The details of the toxic effect relate to the nominal concentration.
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Analytical monitoring: no Method: OECD Test Guideline 201 GLP: yes Remarks: The details of the toxic effect relate to the nominal concentration.
Toxicity to fish (Chronic toxicity)	: Remarks: not required
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: Remarks: not required
Toxicity to microorganisms	: EC0 (activated sludge): > 400 mg/l End point: Bacteria toxicity (growth inhibition)

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Exposure time: 3 h  
Test Type: static test  
Method: DIN 38412  
GLP: no

Toxicity to soil dwelling organisms : Test Type: Other  
Method: Other  
GLP: No information available.  
Remarks: This product does not have any known adverse effect on the soil organisms tested.

### Persistence and degradability

#### Product:

Biodegradability : Remarks: Not applicable

#### Components:

##### **C.I. Pigment Black 7:**

Biodegradability : Remarks: Not applicable

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: no data available

#### Components:

##### **C.I. Pigment Black 7:**

Bioaccumulation : Remarks: Not applicable

### Mobility in soil

#### Components:

##### **C.I. Pigment Black 7:**

Distribution among environmental compartments : Adsorption/Soil  
Medium: water - soil  
Remarks: Not applicable

### Other adverse effects

#### Product:

Environmental fate and pathways : Remarks: no data available

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

#### Components:

##### **C.I. Pigment Black 7:**

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Environmental fate and pathways	:	not available
Results of PBT and vPvB assessment	:	The substance is not identified as a PBT or as a vPvB substance.
Additional ecological information	:	Do not allow to enter ground water, waterways or waste water.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act

: This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code

: NONE

Waste from residues

: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of as product waste.

Contaminated packaging

: This material and its container must be disposed of in a safe way.

### SECTION 14. TRANSPORT INFORMATION

DOT	not restricted
IATA	not restricted
IMDG	not restricted

### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

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**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

## Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

## The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

## SECTION 16. OTHER INFORMATION

### Further information

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -

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Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

For additional information, contact Product Stewardship.

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This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Heubach makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Heubach's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Heubach's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Heubach products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Heubach.

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